

ATI Allvac® Grade 7 UNS R52400 Titanium Alloy

Category : Metal , Nonferrous Metal , Titanium Alloy , Unalloyed/Modified Titanium

Material Notes:

Uses: Industrial components, CPI equipment, heat exchangers, pressure vessels, fittings, tubings. Property values are for samples in the metallurgical condition: 1300°F anneal. Information provided by Allvac, An Allegheny Teledyne Company.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ATI-Allvac-Grade-7-UNS-R52400-Titanium-Alloy.php

Physical Properties	Metric	English	Comments
Density	4.51 g/cc	0.163 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80	80	
Tensile Strength, Ultimate	345 MPa	50000 psi	
Tensile Strength, Yield	276 MPa @Strain 0.200 %	40000 psi @Strain 0.200 %	
Elongation at Break	20 %	20 %	
Reduction of Area	25 %	25 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.10 %	<= 0.10 %	
Hydrogen, H	<= 0.015 %	<= 0.015 %	
Iron, Fe	<= 0.30 %	<= 0.30 %	
Nitrogen, N	<= 0.030 %	<= 0.030 %	
Oxygen, O	<= 0.25 %	<= 0.25 %	
Palladium, Pd	0.12 - 0.25 %	0.12 - 0.25 %	
Titanium, Ti	99.3 %	99.3 %	as balance

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